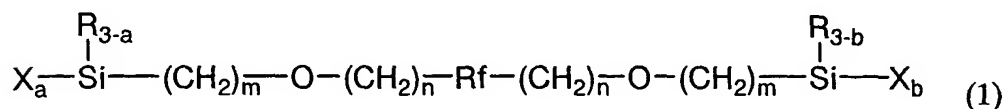


What is Claimed Is:

1. A lens comprising a lens substrate, a surface layer, and a backing member provided beneath said surface layer, in which said backing member is either identical to said lens substrate, or a separate layer from said lens substrate, wherein said surface layer comprises a hydrolysis-condensation product of a perfluoropolyether modified silane represented by a general formula (1) shown below:



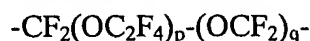
- wherein, Rf is a bivalent group comprising a straight chain perfluoropolyether structure containing no branching and comprising a unit represented by a formula  $-(\text{C}_k\text{F}_{2k}\text{O})-$  wherein, k represents an integer from 1 to 6, each R represents, independently, a monovalent hydrocarbon group of 1 to 8 carbon atoms, each X represents, independently, a hydrolysable group or a halogen atom, each n represents, independently, an integer from 0 to 2, each m represents, independently, an integer from 1 to 5, and each a and b represents, independently, 2 or 3.

2. The lens according to claim 1, wherein said Rf group in said general formula (1) is a bivalent group comprising a perfluoropolyether structure represented by a general formula shown below:



wherein, l represents an integer of 1 or greater.

3. The lens according to claim 1, wherein said Rf group in said general formula (1) is a bivalent group comprising a perfluoropolyether structure represented by a general formula shown below:



wherein, p and q each represent an integer of 1 or greater, a sum of p+q is an integer from 10 to 100, and the repeating units represented by  $(\text{OC}_2\text{F}_4)$  and  $(\text{OCF}_2)$  in the general

- formula are arranged at random.

4. The lens according to claim 1, wherein each group X in said general formula (1) represents, independently, a methoxy group, an ethoxy group, an isopropenoxy group or a chlorine atom.

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5. The lens according to claim 1, wherein a thickness of said surface layer is within a range from 0.1 nm to 5  $\mu\text{m}$ .

6. The lens according to claim 1, wherein said backing member is different from said lens substrate, and is an inorganic anti-reflective layer.

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7. The lens according to claim 1, wherein said surface layer is formed by vacuum-depositing said perfluoropolyether modified silane directly onto said backing member, and subsequently performing hydrolysis and condensation.

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8. The lens according to claim 1, wherein said surface layer is formed by applying a coating agent comprising either said perfluoropolyether modified silane or a combination of said modified silane with a partial hydrolysis-condensation product of said modified silane, onto said backing member, and subsequently performing hydrolysis and

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9. The lens according to claim 8, wherein said coating agent comprises from 0.01 to 5 parts by weight of a hydrolysis catalyst per 100 parts by weight of either said perfluoropolyether modified silane, or a combination of said modified silane with a partial hydrolysis-condensation product of said modified silane.

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